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(FILE 'HOME' ENTERED AT 17:20:20 ON 06 JAN 2009)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH, LIFESCI' ENTERED AT 17:20:43 ON 06 JAN 2009

L1 92223 S MMP(W)(1 OR 2 OR 8 OR 9 OR 13) OR RECEPTOR(5A)(TRANSFORM?(W)G  
L2 4751 S (TREAT? OR DECREAS? OR INHIBIT? OR AMELIORAT?)(6A)(HEPATIC OR  
L3 26925 S (TREAT? OR DECREAS? OR INHIBIT? OR AMELIORAT?)(6A)FIBROSIS  
L4 98 S L1(9A)L2  
L5 199 S L1(9A)L3  
L6 54 DUP REM L4 (44 DUPLICATES REMOVED)  
L7 123 DUP REM L5 (76 DUPLICATES REMOVED)

=> d au ti so pi 30-54 16

L6 ANSWER 30 OF 54 MEDLINE on STN DUPLICATE 10  
AU Parsons Christopher J; Bradford Blair U; Pan Clark Q; Cheung Ellen;  
Schauer Michael; Knorr Andreas; Krebs Barbara; Kraft Sabine; Zahn Stefan;  
Brocks Bodo; Feirt Nikki; Mei Baisong; Cho Myung-Sam; Ramamoorthi Roopa;  
Roldan Greg; Ng Paul; Lum Peggy; Hirth-Dietrich Claudia; Tomkinson Adrian;  
Brenner David A  
TI Antifibrotic effects of a tissue inhibitor of metalloproteinase-1 antibody  
on established liver fibrosis in rats.  
SO Hepatology (Baltimore, Md.), (2004 Nov) Vol. 40, No. 5, pp. 1106-15.  
Journal code: 8302946. ISSN: 0270-9139.

L6 ANSWER 31 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
AU Kotoh, Kazuhiro; Nakamura, Makoto; Kohjima, Motoyuki; Fukushima, Marie;  
Morizono, Shusuke; Kobayashi, Naoya; Enjoji, Munekika; Nawata, Hajime  
TI Arg-Gly-Asp (RGD) peptide ameliorates carbon tetrachloride-induced liver  
fibrosis via inhibition of collagen production and acceleration of  
collagenase activity  
SO International Journal of Molecular Medicine (2004), 14(6), 1049-1053  
CODEN: IJMMFG; ISSN: 1107-3756

L6 ANSWER 32 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
AU Luo, Yan-Jun; Yu, Jie-Ping; Shi, Zhao-Hong; Wang, Li  
TI Ginkgo biloba extract reverses CCl4 -induced liver fibrosis in rats  
SO World Journal of Gastroenterology (2004), 10(7), 1037-1042  
CODEN: WJGAF2; ISSN: 1007-9327

L6 ANSWER 33 OF 54 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on  
STN  
AU Itonaga, Mina; Shimizu, Ichiro; Cheng, Xinliang; Itagaki, Tatuoz;  
Sannomiya, Katutaka; Honda, Hirohito; Ueno, Hikaru; Ito, Susumu  
TI Inhibitory effects of a soluble transforming growth factor beta type II  
receptor on the activation of rat hepatic stellate cells in primary  
culture.  
SO Gastroenterology, (APR 2004) Vol. 126, No. 4, Suppl. 2, pp. A692.  
Meeting Info.: Digestive Disease Week/105th Annual Meeting of the  
American-Gastroenterological-Association. New Orleans, LA, USA. May 16  
-20, 2004. Amer Gastroenterol Assoc.  
CODEN: GASTAB. ISSN: 0016-5085.

L6 ANSWER 34 OF 54 MEDLINE on STN DUPLICATE 11  
AU Zhu Yue-ke; Wang Bo-en; Shen Feng-jun; Wang Ai-min; Jia Ji-dong; Ma Hong  
TI Dynamic evolution of MMP-13, TIMP-1, type I and III collagen and their  
interaction in experimental liver fibrosis.  
SO Zhonghua gan zang bing za zhi = Zhonghua ganzangbing zazhi = Chinese  
journal of hepatology, (2004 Oct) Vol. 12, No. 10, pp. 612-5.

L6 ANSWER 35 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
 AU Ueno, Hikaru; Imamura, Michio  
 TI Anti-TGF- $\beta$  therapy against liver fibrosis  
 SO Igaku no Ayumi (2004), 208(5), 423-427  
 CODEN: IGAYAY; ISSN: 0039-2359

L6 ANSWER 36 OF 54 MEDLINE on STN DUPLICATE 12  
 AU Zhao Zhi-hai; Xin Shao-jie; Zhao Jing-min; Wang Song-shan; Liu Ping; Yin Tie-yong; Zhou Guang-de  
 TI Dynamic expression of matrix metalloproteinase-2, membrane type-matrix metalloproteinase-2 in experimental hepatic fibrosis and its reversal in rat.  
 SO Zhonghua shi yan he lin chuang bing du xue za zhi = Zhonghua shiyan he linchuang bingduxue zazhi = Chinese journal of experimental and clinical virology, (2004 Dec) Vol. 18, No. 4, pp. 328-31.  
 Journal code: 9602873. ISSN: 1003-9279.

L6 ANSWER 37 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
 IN Lee, Wen-cherng; Sun, Lihong; Shan, Feng; Chuagui, Claudio; Zheng, Zhongli; Petter, Russell C.  
 TI Preparation of tri-substituted heteroaryls as potent antagonists of the TGF $\beta$  family type I receptors, Alk 5 and/or Alk 4  
 SO PCT Int. Appl., 114 pp.  
 CODEN: PIXXD2  
 PATENT NO.

		KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003087304	A2	20031023	WO 2003-US10440	20030404
	WO 2003087304	A3	20040722		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CA 2480860	A1	20031023	CA 2003-2480860	20030404
	AU 2003228446	A1	20031027	AU 2003-228446	20030404
	EP 1499308	A2	20050126	EP 2003-726198	20030404
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
	CN 1658866	A	20050824	CN 2003-812699	20030404
	JP 2005527590	T	20050915	JP 2003-584248	20030404
	BR 2004000022	A	20050913	BR 2004-22	20040115
	MX 2004PA09546	A	20050125	MX 2004-PA09546	20040930
	ZA 2004007902	A	20050922	ZA 2004-7902	20040930
	NO 2004004779	A	20050104	NO 2004-4779	20041103
	US 20060063809	A1	20060323	US 2005-510459	20050825

L6 ANSWER 38 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 13  
 AU Sakaïda, Isao; Hironaka, Koji; Terai, Shyuji; Okita, Kiwamu  
 TI Gadolinium chloride reverses dimethylnitrosamine (DMN)-induced rat liver fibrosis with increased matrix metalloproteinases (MMPs) of Kupffer cells  
 SO Life Sciences (2003), 72(8), 943-959  
 CODEN: LIFSAY; ISSN: 0024-3205

L6 ANSWER 39 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN

AU Gressner, Axel M.; Weiskirchen, Ralf  
 TI The tightrope of therapeutic suppression of active transforming growth factor- $\beta$ : high enough to fall deeply?  
 SO Journal of Hepatology (2003), 39(5), 856-859  
 CODEN: JOHEEC; ISSN: 0168-8278

L6 ANSWER 40 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
 IN Matsusawa, Yuji; Funabashi, Toru; Tamura, Shinji  
 TI Adiponectins as liver fibrosis inhibitors  
 SO Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002363094	A	20021218	JP 2001-172882	20010607
WO 2002100427	A1	20021219	WO 2002-JP5574	20020605
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2002306266	A1	20021223	AU 2002-306266	20020605
EP 1393739	A1	20040303	EP 2002-733330	20020605
EP 1393739	B1	20081105		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
AT 413186	T	20081115	AT 2002-733330	20020605
US 20040180818	A1	20040916	US 2003-479581	20031203
US 7074756	B2	20060711		
US 20060154869	A1	20060713	US 2006-371104	20060309
US 7375189	B2	20080520		

L6 ANSWER 41 OF 54 MEDLINE on STN DUPLICATE 14  
 AU Yata Yutaka; Gotwals Philip; Koteliensky Victor; Rockey Don C  
 TI Dose-dependent inhibition of hepatic fibrosis  
 in mice by a TGF- $\beta$  soluble receptor: implications  
 for antifibrotic therapy.  
 SO Hepatology (Baltimore, Md.), (2002 May) Vol. 35, No. 5, pp. 1022-30.  
 Journal code: 8302946. ISSN: 0270-9139.

L6 ANSWER 42 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
 AU Ueno, Hikaru  
 TI Anti-TGF- $\beta$  therapy for organ fibrosis  
 SO Igaku no Ayumi (2002), 201(12), 916-919  
 CODEN: IGAYAY; ISSN: 0039-2359

L6 ANSWER 43 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
 AU Ueno, H.; Qi, Z.; Nakamura, T.  
 TI Cytokine-assisted gene therapy: anti-TGF- $\beta$  intervention using mutated forms of TGF- $\beta$  receptor  
 SO Falk Symposium (2002), 125(Cytokines in Liver Injury and Repair), 354-361  
 CODEN: FASYDI; ISSN: 0161-5580

L6 ANSWER 44 OF 54 MEDLINE on STN DUPLICATE 15  
 AU Murawaki Yoshikazu; Ikuta Yujiro; Koda Masahiko; Okamoto Kinya; Mimura Kenichi  
 TI The proMMP-2 activation rate in patients with chronic viral liver disease.  
 SO Clinica chimica acta; international journal of clinical chemistry, (2002

Oct) Vol. 324, No. 1-2, pp. 99-103.  
Journal code: 1302422. ISSN: 0009-8981.

- L6 ANSWER 45 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
AU Williams, E. J.; Benyon, R. C.; Trim, N.; Hadwin, R.; Grove, B. H.;  
Arthur, M. J. P.; Unemori, E. N.; Iredale, J. P.  
TI Relaxin inhibits effective collagen deposition by cultured hepatic  
stellate cells and decreases rat liver fibrosis in vivo  
SO Gut (2001), 49(4), 577-583  
CODEN: GUTTAK; ISSN: 0017-5749
- L6 ANSWER 46 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
AU Imuro, Yuji; Nishio, Toshihiro; Yamaoka, Yoshio  
TI Gene transfer of MMP-1 for treatment of  
established liver fibrosis  
SO BIO Clinica (2001), 16(4), 330-334  
CODEN: BCILCY; ISSN: 0919-8237
- L6 ANSWER 47 OF 54 MEDLINE on STN DUPLICATE 16  
AU Ninomiya T; Yoon S; Nagano H; Kumon Y; Seo Y; Kasuga M; Yano Y; Nakaji M;  
Hayashi Y  
TI Significance of serum matrix metalloproteinases and their inhibitors on  
the antifibrogenetic effect of interferon-alfa in chronic hepatitis C  
patients.  
SO Intervirology, (2001) Vol. 44, No. 4, pp. 227-31.  
Journal code: 0364265. ISSN: 0300-5526.
- L6 ANSWER 48 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
AU Shinji, Noriyuki; Ujiie, Kozo; Koide, Norio  
TI TGF- $\beta$  in liver fibrosis  
SO Annual Review Shokaki (2001) 88-93  
CODEN: ARSNAC
- L6 ANSWER 49 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
AU Okazaki, Isao; Watanabe, Tetsu; Hozawa, Shigenari; Nioka, Maki; Arai,  
Masao; Maruyama, Katsuya  
TI Reversibility of hepatic fibrosis: from the first report of collagenase in  
the liver to the possibility of gene therapy for recovery  
SO Keio Journal of Medicine (2001), 50(2), 58-65  
CODEN: KJMEA9; ISSN: 0022-9717
- L6 ANSWER 50 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
AU George, Jacob; Roulot, Dominique; Koteliensky, Victor E.; Bissell, D.  
Montgomery  
TI In vivo inhibition of rat stellate cell activation by soluble transforming  
growth factor  $\beta$  type II receptor: a potential new therapy for hepatic  
fibrosis  
SO Proceedings of the National Academy of Sciences of the United States of  
America (1999), 96(22), 12719-12724  
CODEN: PNASA6; ISSN: 0027-8424
- L6 ANSWER 51 OF 54 MEDLINE on STN DUPLICATE 17  
AU Qi Z; Atsuchi N; Ooshima A; Takeshita A; Ueno H  
TI Blockade of type beta transforming growth factor signaling prevents liver  
fibrosis and dysfunction in the rat.  
SO Proceedings of the National Academy of Sciences of the United States of  
America, (1999 Mar 2) Vol. 96, No. 5, pp. 2345-9.  
Journal code: 7505876. ISSN: 0027-8424.
- L6 ANSWER 52 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN DUPLICATE 18  
AU Wu, Yunjin; Zhai, Weirong; Zhuang, Li; Zhang, Yuee; Zhu, Hongguang

TI Expression of matrix metalloproteinase-2 and its tissue inhibitor in rat  
 liver fibrosis model  
 SO Shanghai Yike Daxue Xuebao (1999), 26(4), 261-264  
 CODEN: SYDXEE; ISSN: 0257-8131

L6 ANSWER 53 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
 AU Ogaki, Atsuko; Saito, Hidetane; Tsusaka, Norimasa; Toda, Kyoko; Imagaki,  
 Hiroyuki; Hamada, Yoshiki; Kumagai, Naoki; Atsukawa, Kazuhiro; Ebinuma,  
 Takahashi, Masahiko; Ishii, Hiromasa

TI Effects of angiotensin converting enzyme (ACE) inhibitors on CCl4-induced  
 liver fibrosis model in rats  
 SO Kanzo (1998), 39(3), 235-236  
 CODEN: KNZOAU; ISSN: 0451-4203

L6 ANSWER 54 OF 54 CAPLUS COPYRIGHT 2009 ACS on STN  
 IN Segarini, Patricia R.; Dasch, James R.; Olsen, David R.; Carrillo, Pedro  
 A.

TI Uses of TGF- $\beta$  receptor fragment as a therapeutic agent  
 SO PCT Int. Appl., 58 pp.  
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9409815	A1	19940511	WO 1993-US10455	19931029
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2146973	A1	19940511	CA 1993-2146973	19931029
CA 2146973	C	20080902		
AU 9456650	A	19940524	AU 1994-56650	19931029
AU 669256	B2	19960530		
EP 669833	A1	19950906	EP 1994-902198	19931029
EP 669833	B1	20020612		
R: DE, ES, FR, GB, IT				
JP 08504763	T	19960521	JP 1994-511364	19931029
ES 2174868	T3	20021116	ES 1994-902198	19931029
US 5693607	A	19971202	US 1994-361873	19941222